

ABSTRACT OF THE DISCLOSURE

The present invention is a “three bar” rear wheel suspension system with increased lateral stiffness and reduced tendency for pedal induced bobbing. The rear wheel suspension system of the present invention features a rigid one-piece rear frame section and a short link that are attached with the front frame section at three pivot points. Movement of rear frame section along an arc defined by the length of the short link rather than along the arc that defines by the distance between the bottom yoke pivot point and the top yoke pivot point causes the rear frame section to flex. Active flexing of the rear frame section as it moves through its suspension range absorbs additional energy from the movement of the rear wheel resulting in an “active arc” second suspension system.

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